

Name: _____

Date: _____

Period: _____

Simple Random Sample (SRS) Quiz

Situation: Ms. Chall is trying to plan your upcoming dance. She wants to know what kind of music to tell the DJ to play. She needs your help!

What is your population? (1 point)

7th & 8th
graders

What is your sample? (1 point)

20 7th graders
20 8th graders

Design a method to survey the students. Remember that you should explain how it is a simple random sample. (2 points)

10 boys and 10 girls from each grade
All boys names in one hat, and
girls names in another. Pick 10
randomly. This is an SRS
because each name is chosen at
random and independently of
one another.

72/90 7th graders like Algebra. Use this data to predict how many students like Algebra in the school, if there are 700 students at Washington Latin. (1 point)

$$\frac{72}{90} = \frac{x}{700} \quad \text{cross multiply \& solve}$$

$$90x = 50,400$$

$$x = 560 \text{ students}$$